

SKCBELITSYN, D. V.

168763

USSR/Nuclear Physics - Cosmic Rays

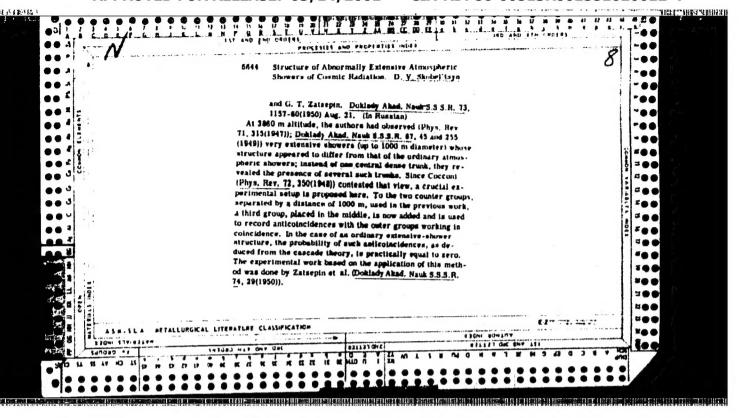
Jul 50

"Nature of Cosmic Radiation," D. V. Skobel'tsyn:

"Uspekhi Fiz Nauk" Vol XLI, No 3, pp 331-350

Reviews work on cosmic rays of past 2-3 years by two groups of young physicists, one directed by Prof S. N. Vernov, other by N. A. Dobrotin, Dr Physicomath Sci. Works were carried out by Phys Inst imeni P. N. Lebedev, partly in Gooperation with Moscow State U and Acad Sci Uzbek SSR. Mainly disproves contention that primary particles of cosmic radiation are electrons. Describes Vernov's experiments in observing cosmic rays in stratosphere with pilot balloons and automatic radio equipment. Concludes primary particles are protons.

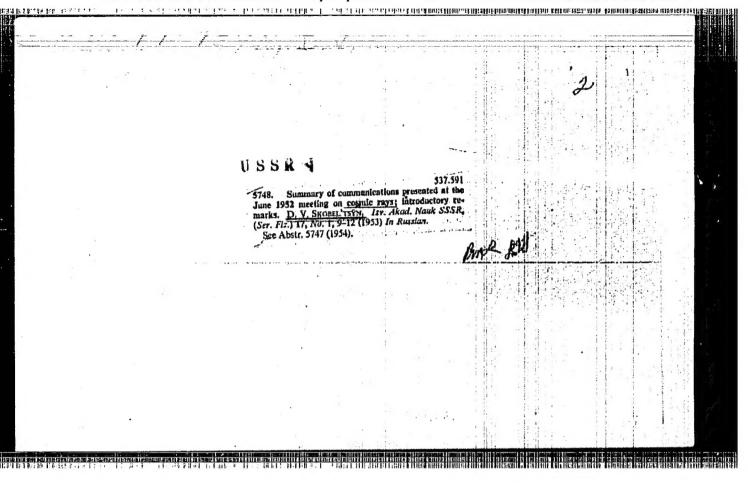
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SKOULITER, D. 7.

"Selection, Training, and Preparation of Presonnel at the Physics Institute inemi F. II. Lebedev, "Vest Ak Hauk SSSR, No 11, p 115, Nov 52.

In a report by B. 7. Shobel'tsyn, Director of Physics Inst. in. P. II. Lebedev, and G. A. Marveysy, Dr. Tech Soi, it was stated that in recent years the number of scientific workers at the lattice of reason tendal. The majority of the reason that the second state of the second second



SKOBEL'TSYN, D.V., akademik; BALDIN, A.; MIKHAYLOV, V.

March Storm of Billion of the Story

On two types of charge symmetry. Dokl.AN SSSR 91 no.3:479-482 Jl '53. (MLRA 6:7)

1. Fizicheskiy institut imeni P.N.Lebedeva Akademii nauk SSSR (for Baldin and Mikhaylov). 2. Akademiya nauk SSSR (for Skobel'tsyn).

(Nuclear physics)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001551020012-4"

VERNOV, S.N.; CHARAKHCH'YAN, A.N.; SKOBEL'TSYN, D.V., akademik.

Investigation of electron nuclear showers and penetrating particles in the stratosphere at various latitudes. Dokl.AN SSSR 91 no.3:487-490 J1 '53.

(MLRA 6:7)

1. Akademiya nauk SSSR (for Skobel'tsyn).

(Cosmic rays) (Atmosphere, Upper)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001551020012-4"

GRIGOROV, N.L.; RAPOPORT, I.D.; SHIPULO, G.P.; SKOBEL TSYN, D.V., akademik.

Spectrum of ionized cosmic radiation particles in the stratosphere. Dokl. AN SSSR 91 no.3:491-494 J1 '53. (MLRA 6:7)

1. Akademiya nauk SSSR (for Skobel'tsyn). (Cosmic rays) (Atmosphere, Upper)

Control of the contro

SKOBEL TSYN, D.V., akademik; ZARYA, V.S.; SMORODIN, Yu.A.; TULINOVA, Z.I.

Study of the non-ionizing components of cosmic rays in the tratosphere.

Dokl.AN SSSR 91 no.3:495-498 J1 '53. (MLRA 6:7)

1. Fizicheskiy institut imeni P.N.Lebedeva Akademii nauk SSSR (for Zarya, Smorodin and Tulinova). 2. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova (for Zarya, Smorodin and Tulinova). 3. Akademiya nauk SSSR (for Skobel'tsyn). (Cosmic rays) (Atmosphere, Upper)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001551020012-4"

FEYNBERG, Ye.L.; CHERNAVSKIY, D.S.; SKOBEL'TSYN, D.V., akademik.

On the cross-section of super-speed nucleon interaction. Dckl.AN SSSR 91 no.3:511-513 Jl '53.

1. Akademiya nauk SSSR (for Skobel'tsyn). (Collisions (Nuclear physics)) (Nesotrons)

GINZBURG, V.L.; FRADKIN, M.I.; SKOBEL'TSYN, D.V., akadenik.

Electron components and origin of cosmic rays. Dokl.AN SSSR 92 no.3:531-534 S '53. (MLRA 6:9)

1. Akademiya nauk SSSR (for Skobel'tsyn). 2. Fizicheskiy institut im. P.N. Lebedeva Akademii nauk SSSR (for Ginzburg and Fradkin). (Cosmic rays)

TO THE CONTROL OF THE

GINZBURG, V.L.; SKOBEL'TSYN, D.V., akademik.

Statistical mechanism of particle acceleration on the surface of the sun and in the atmosphere of stars. Dokl.AN SSSR 92 no.4:727-730 0 153.

(MLRA 6:9)

l. Akademiya nauk SSSR (for Skobel'tsyn). 2. Fizicheskiy institut im. P.N. Lebedeva Akademii nauk SSSR (for Ginzburg).

(Particles) (Sun-Radiation) (Stars--Atmospheres)

GINZBURG, V.L.: SKOBEL'TSYN, D.V., akademik.

Supernovae and novae as nources of cosmic and radio emission. Dokl.AM SSSR (MRA 6:10)

92 no.6:1133-1136 0 '53.

1. Akademiya nauk SSSR (for Skobel'tsyn). 2. Fizicheskiy institut im, F.M.

Lebedeva Akademii nauk SSSR (for Ginzburg). (Radio astronomy)

DOLISHNYUK, B.M.; DRABKIN, G.M.; ORLOV, V.I.; RUSINOV, L.I.; SKOBEL'TSYN, D.V.,
makedistriction of the nuclear isomerism of Xn69, Nb95, and Ba137, Dokl.AB
(MIRA 6:10)
SSSR 92 no.6:1141-1144 0 '53.

1. Akademiya nauk SSSR (for Skobel'tsyn).

(Isomerism)

VAVILOV, Yu.I.; NIKOL'SKIY, S.I.; TUKISH, Ye.I.; SKOBEL'TSYN, D.V., akademik.

Spatial distribution of charged particles in the vicinity of the axis of an extensive atmospheric shower of cosmic rays. Dokl.AN SSSR 93 no.2:233-236 (MLRA 6:10) N '53.

1. Fizicheskiy institut imeni P.N.Lebedeva Akademii nauk SSSR. 2. Akademiya (Cosmic rays) nauk SSSR (for Skobel'tsyn).

NESMEYANOV, A.N., akademik; TOPCHIYEV, A.V., akademik; SKOBEL'TSYR,D.V.,
KAPITSA, P.L., akademik; LAVRENT'YEV, M.A., akademik; SKOBEL'TSYR,D.V.,
akademik; FOK, V.A., akademik.

Albert Einstein. Elektrichestvo no.6:85-86 Je '55. (M.RA 8:6)

(Einstein, Albert, 1879-1955)

NESMEYANOV, A.N., akademik; TOPCHIYEV, A.V., akademik; IOFFE, A.F., akademik; KAPITSA, P.L., akademik; IAVRENT'YEV, M.A., akademik; SKOBEL'TSYN, D.V., akademik; FOK, V.A., akademik

Albert Einstein; obituary. Vest. AN SSSR 25 no.5:67-68 My 155. (Einstein, Albert, 1879-1955) (MIRA 8:7)

YMKSLER, V. I.; SKOBEL'TSYN, D. V., akademik, redaktor; RABINOVICH, M.S., redaktor; MAKUMI, Ye. V., tekhnicheskiy redaktor

[Atomic particle accelerators] Uskoriteli atomnykh chastits.

Moskva, Izd-vo Akademii mauk SSSR, 1956. 46 p. (MIRA 9:3)

1. Chlen-korrespondent AN SSSR (for Veksler)

(Particle accelerators)

KAPITSA, P.B.; IOFFE, A.F.; VINOGRADOV, A.P.; ERREBURG, I.G.; TIKHONOV, N.S.; FADEYEV, A.A.; FRANK, I.M.; VEKSLER, V.I.; KORNEYCHUK, A.Ye.; POPOVA, N.V.; LEBEDEVA, Z.A.; VASILEVSKAYA, V.L.; PETROVSKIY, I.G.; ALEKSANDROV, A.D.; ARTSIMOVICH, L.A.; MESHCHERYAKOV, M.G.

2003年(大日 1003年) (1203年) (120

Irene Joliet-Curie; obituary. Vest.AN SSSR 26 no.4:73-72 Ap 156. (Joliet-Curie, Irene, 1897-1956) (MIRA 9:7)

JOLIOT-CURIE, Frederic; SKORKLITSYN, D.V., akademik, otvetstvennyy redaktor; TAMM, I.Ye., redaktor; DZHRIEPOV, B.S., redaktor; FRANK, I.M., redaktor; GROSHEV, L.V., redaktor; SMIRNOVA, G.N., redaktor; BARIT, I.Ya, redaktor izdatel stva; RYNDZYUNSKAYA, S.M., redaktor izdatel stva; ZELINKOVA, Ye.V., tekhnicheskiy redaktor; NAZARYAN, L.V., tekhnicheskiy redaktor

[Selected works. Work written in collaboration with Irene Joiot-Curie] Izbrannye trudy. Frederik i Iren Zholio-Kiuri. Sovmestnye trudy. Moskva, Izd-vo Akademii nauk SSSR. 1957. 561 p. (MIRA 10:2) (Radioactivity)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001551020012-4"

SKOBELTSYN, D.V.; FRANK, I.M.

The P.H.Lebedev Institute of Physics, Academy of Sciences of the U.S.S.R. Usp.fiz.nauk 63 no.3:503-525 N '57. (MIRA 10:12)

(Physics)

SKOUTE PARTIES OF BREING CRAINS

AUTHOR:

None Given

SOV/50-58-7-15/49

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TITLE:

Co-Operation of Scientis's in the Struggle Assinst Atomic War (Sourudnichestvo uchenykh v bor'be's openost'yu yadernoy Canada voyny) On the Results Obtained at the Conference in Lac Beauport/,

(K itogo: konferentsii v Lak-Boporte)

PERIODICAL:

Vestnik Akademii nauk SISR, 1956, Nr 7, pp. 82 - 85 (USSR)

ABSTRACT:

This international conference took place in Lac Beauport, Canada province of Quebec (Kvebek) March 31 to April 11. The aim of the scientists from Australia (Avstraliya), Canada, the Chinese People's Republic (Kitayskaya Marodnaya Respublika), France (Frantsiya), Germany (Germaniya), Great Britain (Velikobritaniya), USCR (SSSR), USA(SShA) attending this confere ce, was to determine acceptable means for reducing the danger of war for all countries and to reduce the tensions in international relations. Amongst others, Professor Chou Pei-yuan of the Chinese People's Republic, Professor A.M.Kuzin, the Lembers, Academy of Sciences, USSR, D.V.Skobel'tsyn, A.V.Topchiyev, A.P.Vinogradov took part in this conference. In 1955, a declaration signed by

Card 1/4

Co-Operation of Defentists in the Struggle Against SOV/30-58-7-15/49 Atolic War. On the Results Obtained at the Conference in Lac Beauport

Bertrand Russell (Bertran Rassel), Albert Einstein (Al'bert Eyasateyn) and 9 other scientists, in which attention was drawn to the danger involved in the production of arms of mass extermination and which contained an appeal to call a conference of scientists, was published. Such a conference which was attended by 22 scientists, was called in July 1957 in Pugwash Canada, province of Nova Scotia (Novaya Shotlandiya). A declaration was published and a permanent committee in which D.V.Skobel tsyn also took part, was established. This permanent committee decided at a session in London in Desember last year, to call a conference in Lac Beauport. The discussion dealt with 3 principal problens: The damper of the present situation, the means for reducing the in ediate danger and the means for reducing tensions. The Permanent Committee proposed - which was approved - to call a conference in Austria in September of this year which ought to deal with the problem of peace in the atomic age. A.V. Topchiyev reported on the conference in Lac Beauport at a meeting of the , AS USSR, on May 9. At this conference, the Soviet Scientists spoke about the following problems:

Card 2/4

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Co-Operation of Scientists in the Struggle Against SOV/30-58-7-15/49 Atomic War. On the Results Obtained at the Conference in Lac Beauport

1)A.V.Topchigev: On the Present Situation and the Tasks of Scientists; on an International Scientific Exchange.
2). .Vino redov: On the Concation of the Tests With Atomic Weapons of Atl Types.

))2...3holel'tsyn: On Remarks Concerning the Armaments Race and

()... . Marin: How the Present Danger Is Judged by a Biologist.
Concluding, Topolityev said that the most important reports of
the conference were forwarded to the heads of 19 States and to
the General Secretary of the UNO..A.r. Vinogradov, and D.V. Skobelton conditted the report delivered by Topolityev. The Presidium,

AS USSR, approved the activity displayed by the Soviet
Delistes.

Card 3, 4

SKOBELTSIN, D.

"Very fast beta particles of a new type." Tr. from Russian, p. 611

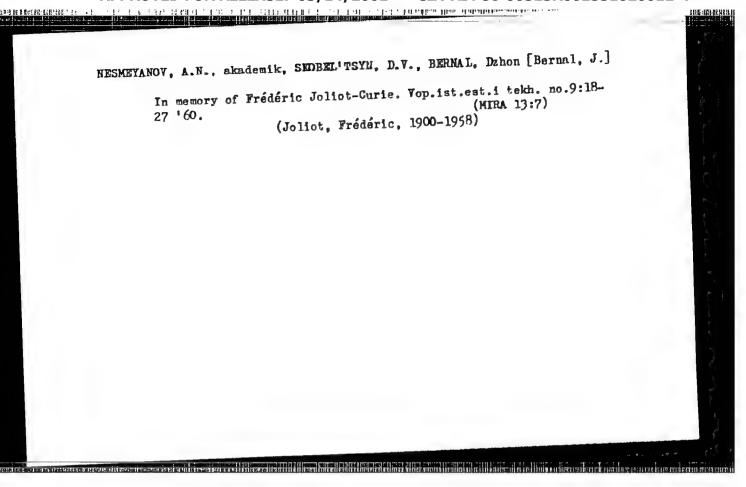
MAGYAR FIZIKAI FOLYOIRAT. (Magyar Tudomanyos Akademia) Budapest, Hungary, Vol. 6, No. 6, 1958.

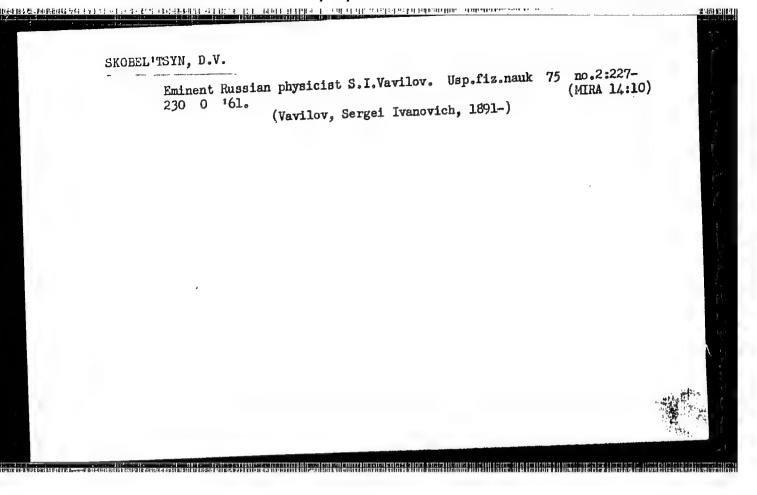
Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 6, June 1959. Uncl.

"A Chain Reaction of Errors." Bulletin of the Atomic Scientists, Vol 14, No. 7, Sept. 1958.

Dir., Physics, Inst. im. P. N. Lebedev,

to the State of th





5 1026/62/000/006/001/004 DO45/D114 3,2419 (2905,2705,2805) Shobel'tsyn, D.V., Academician ATTHOR: Cosmic rays

PERIODICAL: Priroda, no. 6, 1962, 3-13 TITLE:

TEXT: Methods and equipment used for studying superhigh energies in cosmic rays are described, and present trends of research are discussed. In the USSR, a method has been developed which permits directly determining the enerty of a primary particle which has caused the multiple formation of secondary particles. A Wilson chamber, located in a strong magnetic field and used for determining the energy of secondary particles formed in the flux, is used together with an ionization calorimeter. The secondary particles are formed in a lithium hydride block used so as to ensure that all the investigated products of interaction result from nucleon-nucleon through lisions. The flux formed as a result of a primary collision passes through the successive layers of an absorber in which occur the cascade processes

Card 1/4

s/026/62/000/006/001/004 DO45/D114

The number of particles increases, Cosmic rays while the energy in each particle correspondingly decreases. By measuring the ionization caused by the particle flux in the layers of the ionization chambers placed between the layers of the absorbers, a curve of absorption can be obtained. The area bounded by this curve determines the full energy of the entire flux. Judging by the results of observations using the ionization calorimeter, the following rule can be adopted: the multiplicity of formation of particles is proportional to the mass of a cluster. Zation calorimeter method has been used at the Fizicheskiy institut AN SSSR (Physics Institute of the AS USSR) - FIAN, and in research conducted on Lit Aragats by the Nauchno-issledovatel'skiy institut yadernoy fiziki MGU (Scientific Research Institute of Nuclear Physics of the MGU) and the Akademiya nauk Armyanskoy SSR (Academy of Sciences, Armyanskaya SSR). In 1962, a more efficient installation will be assembled at the Tyan'-Shan' Station of the FIAN near Alma-Ata at an altitude exceeding 3300 m. A 1000 t magnet has been installed at the Tskhra-Tskaro Station near Bakuriani.

Card, 2/4

Cosmic rays

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NIIYAF of the MGU. General data is given on problems connected with variations in cosmic radiation intensity. In this connection, the atmospheric station of the FIAN is launching apparatus to high altitudes so as to register solar flares. The appearance of splashes of solar radiation, caused by the emission of heavy high-energy nuclei by the Sun, was indicated for the first time during observations by the second Soviet space rocket. Soviet research is being mainly concentrated on the study of (1) the interaction between primary particles of superhigh energy and atomic nuclei and (2) the quota of heavy or medium-heavy atomic nuclei in the zone of extremely high energies of cosmic radiation; the investigation of radiation spectra and atmospheric showers will help solve the latter problem. There are 14 figures.

Card 4/4

8/030/62/000/006/001/007 1023/1223

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AUTHOR:

Skobel'tsyn, D.V., Açademician.

TITLE:

Cosmic rays

PERIODICAL: Akademiya nauk SSR Vestnik, no. 6, 1962, 15-28

TEXT: The article is a review of the present state of cosmic ray research. The various aspects of the research are divided into three groups: 1) the nature and properties of elementary particles (ultra-high energies), 2) interplanetary space, phenomena in it and on the sun, 3) origin of cosmic rays, connected with astrophysical and cosmological problems. The various problems are discussed and the experimental methods applied to solve them are described. Soviet and Western experiments are analyzed, with the stress on Soviet work. Soviet experiments in preparation are briefly described. There are 9 figures.

Card 1/1

ARTSIMOVICH, L.A., akademik; KELDYSH, M.V., akademik; KAPITSA, P.L., akademik; B.M.; VERESHCHAGIN, L.F.; PISTOL'KORS, A.A.; SHCHEKIN, A.N., akademik; SKOBEL'TSYN, D.V., akademik; ALEKSANDFOV, A.F., akademik; AMBARTSUMYAN, V.A., akademik; ZEL'DOVICH, Ya.B.; SEMENOV, N.N., akademik; KOTEL'NIKOV, V.A., akademik; LIFSHITS, I.M.; VEESHEE, V.I., akademik; GINZEUFG, V.I.; MILLIONSHCHIKOV, N.D., akademik

Some problems in the development of modern physics; discussion of the work of the Department of General and Applied Physics. Vest. AN SSSE 35 no.2:3-46 F 165. (MIRA 18:3)

1. Chleny-korrespondenty AN SSSR (for Vul, Vereshchagin, Pistol'kors, Lifshits, Ginzburg).

SKOBEL TSYN, V.S.

[Aid for an aerodynamics club leader] V pomoshch' rukovoditeliu kruzhka po aerodinamike. Moskva, Gos. uchebno-pedagog, izd-vo, 1953. 56 p.

(Mida 6:8)

(Aerodynamics)

<u> </u>		AID P	-261
Subject	:	USSR/Aeronauties	
Card	:	1/3	
Periodical	:	Kryl. Rod., 5, 1 - 24, My 1954	
Abstract	:	Articles in this issue are very popular, and are special interest. They are listed on the following	ng
			PAGES
		 Exemplary Conduct of Competition in Sport Aviation Antonov, B., On Uncharted Land (Photos) Should the Central Aeroclub be Like That? 	1-2 3
		(Letters to the editor suggesting changes in the Central Aeroclub)	4-5
		4. Bogatyrev, A., Results of Correspondence Competitions of DOSAAF Aeroclubs (Photos)	5
		 Reynov, Ya., Guarantee Successes in Sport Smirnov, B., Discipline in Flight (Photos) 	7-8
		 What Hinders the Development of Mass Parachutism (Letter to the editor) 	9
		Ignat'yev, S., Make Better Use of Parachute Jumping Towers	10

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001551020012-4"

Kryl. Rod., 5,	1-24, My	1954	(additional card)	AID	P-261	
Card:	2/3					
	14	21 m.	kiy, M., From an Altitud (a report on recent high	1 -	PAGES	
	10. GT	aakov,	parachute jumping, phot N., Organization and Un	to) mpiring	11	1
	11. In	the A	titions in Parachutism viation Sport Commission		12-13	B
	12. Te.	Lepnev	vements in parachutism) , V., Friends and Partne	ers (A	13	
	13. SKO	oke Er	3 young boys, photos) syn, V., A Micro-capacit ngine (a short descripti	on and	14-15	,
	14. Bas	inkin.	an engine for model air S., Receiver of Radio C diagrams)	craft) ontrolled		
	15. Kit and	aygord Mathe	odskiy, A., Doctor of Phematical Science. Profes	ysical sor,	16-17	
	16. Iva (A	snort	A., With Our Polish Fr	hute and	18-20	
	17. Gri	ei mak nberg,	cer activities in Poland Z., Physician Brought example of cooperation) hv Air-	21-22	

MODEL 137 N. A.

Subject : USSR/Aeronautics

AID P - 1080

Card 1/1 Pub. 58 - 10/19

Author

: Skobel'tsyn, V.

Title

: Things to do in an aircraft modelers beginners! circle

Periodical : Kryl. rod., 12, 17, D 1954

Abstract : The author suggests a program of training.

Institution: None

Submitted : No date

SKOBEL TSYN, Vladimir Stepanovich; PASHKEVICH, Nikolay Konstantinovich; KANEVSKAYA, M.D., redaktor; MUNTYAN, T.P., tekhlicheskiy redaktor.

[Model aircraft club; first year of activities] Aviamodel'nyi kruzhok; pervyi god zaniatii. Moskva, Izd-vo DOSAAF, 1956. 141 p. (Microfilm) (Airplanes--Models) (MIRA 9:7)

to the state of the control of the state of

ASHIKHHIN, V.I.; GELLER, Z.I.; SKOBEL TSYN, Yu.A.

Temperature distrubution and the average temperature of highly

viscous petroleum products in tanks. Izv.vys.ucheb.zav.; neft! i gaz 2 no.12:89-93 '59. (MIRA 13:5)

1. Groznenskiy neftyanoy institut.
(Petroleum products--Thermal properties)
(Tanks)

VED FUK KELEASE: US/14/2001 CIA NOI OO OOOOOO MARKARINA ASHIEHMIN, V.I.; GELLER, Z.I.; SEOBEL'ISYN, Yu.A. Viscous fluid discharge external cylindrical nozzles. Neft. khoz. 39 no.9:55-59 S '61. (MIRA 15:1) (Hydrodynamics)

GELLER, Z.I., doktor tekhn. nauk, prof.; SKOWELLISYN, Yu.A., inzh.

Coefficient of expenditure of external cylindrical caps in the flow of a viscous liquid. Teploenergetika 10 no.11. 72-74 N '63, (MIRA 17:1)

1. Groznenskiy neftyanov institut.

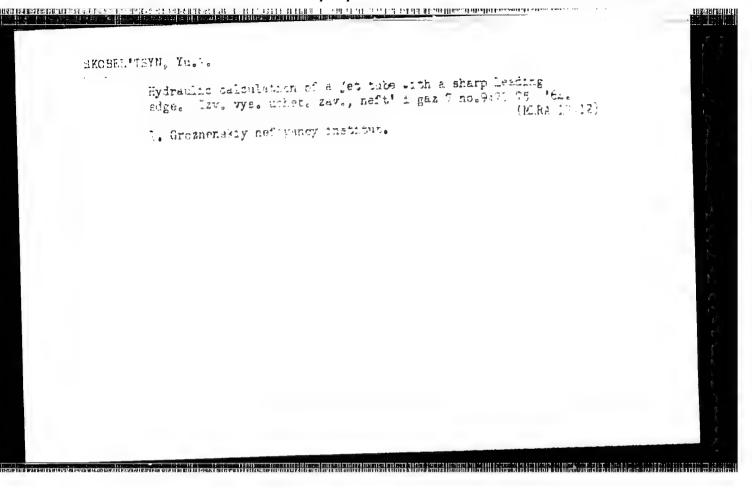
FOR RELEASE: U3/14/2UU1 CIA III. GULLAR, AULUS GROBELSISSER, In.A. Viscous fluid flow from long and extremely short external cylindrical nozzles. lzv. vys. ucheb. pav.; neft' 1 gaz 6 no.8.77-82 163. (MIR) 17:67 1. Ordanenskiy neftyanoy institut.

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Flow of a real fluid from external cylindrical nozzlos at low horn and numbers. Heft. abor. At no. 2:63-65 Az. (MFPA 17:16)

GELLER, Z.I.; SKOBEL TSYN, Yu.A.

Disruption characteristics of external cylindrical nozzles. Neft. khoz. 42 no.7:57-60 Jl 164. (MIRA 17:8)



GELLER, Z.1.; ..KOHEL'INTH, Yu.A.

Comparing the flow-rate factors of external cylindrical nozzles and the openings in a thin wall. Neft.khoz. 43 no.4:60-62 Ap (NIRA 18:4) 165.

Constitute, v. T.

Dissertation: "sural Meetric Scuer Stations in Conditions of the Forest Top of the Turpean USER on the Example of the Fari ASCE."

22/C/FC

Power Engineering Institution 3. ". Erzhishaweschiy

SO Vecheryaya Moskva

Sur 71

SKOREL'TSYN, Yu.V.; MIKHEYEVA, T.G.; KOCHETKOV, P.P.; KODOCHIGOV, D.I.

Rural hydroelectric power stations on the small rivers of the Mari
Republic. Izv.Mar.sta.po elek.sel'.i les.khoz. no.1: '51.

(Mari A.S.S.R.--Hydroelectric power plants)

(Mari A.S.S.R.--Hydroelectric power plants)

SKOBEL'TSYN, Yu.V.; MIKHEYEVA, T.G.; KOCHETKOV, P.P.; KODOCHIGOV, D.I.

Local rural electric power systems based on the example of Mariturek Region of the Mari A.S.S.R. Izv.Mar.sta.po elek.sel'.1 les.khoz. no.1:51-81 '51.

(Mari A.S.S.R.—Electric power plants)

SKOHEL'TSYN, Yu.V.; SMIRNOV, R.V.

Very simple automatic processes for rural hydroelectric power plants. Izv.mar.sta.po elek.sel.i les.khoz.no.2:23-30 '53. (MIRA 23-30) (Hydroelectric power stations) (Automatic control)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001551020012-4"

SKOREL'TSYN, Yu.V.; MIKHEYEVA, T.G.

Power consumption of the agricultural districts in the area of the Kuybyshev Hydroelectric Power Station. Izv.mar.ata.po elek. (MIRA 10:12) (Electricity in agriculture) (Kuybyshev hydroelectric power station)

in the second state of the contract of the contract of the control of the control

(MIRA 11:10)

BEDNOV, N.I.; KAPUSTIN, V.A.; SKOBEL!TSYN. Yu.Y. Methods for determining the prospective power consumption and rated load in agricultural regions. Izv. Kazan. fil. AN. SSSR. Ser. energ. i vod. khoz. no.1:29-42 '57. (MIRA 11:10 (Rural electrification)

SKOBEL TSYN, Yu.V.; TOLKACHEV, D.F.

Basic parameters and economic indices of water heating in green-

house and cold-frame gardening when utilizing heat waste. Izv. Kazan. fil. AN SSSR. Ser. energ. i vod. khoz. no.1:71-85 '57. (MIRA 11:10)

(Greenhouses -- Heating and ventilation)

SKOBEL'TSYN, Yu.V., prof.

Tasks of science in the field of agricultural electrification.

Mekh.i elek.sots.sel'.khoz. no.6:10-11 '57. (MIRA 10:12)

(Rural electrification)

SKCRELTSTAN, Yu. V.

"Rural Electric Power Stations in the Forest Zone of the European Part of the USSR as Sown by the Example of the Mariyo SSr."

Dissertation for the Degree of Candidate of Technical Sciences, defended at Institute for Power Engineering imeni Krzhizhanovskiy AS USSR, (Elektrichestvo, 1958, Nr 4, pp 86-87)

SKOBEL TSYN, Yu.v., prof.owt.red.

[Methods of power engineering calculations of hothouse establishments using waste heat from industrial enterprises and power stations] Metodika energeticheskikh raschetov and power stations] Metodika energeticheskikh raschetov teplichno-parnikovykh khoziaistv pri ispol zovanii teplovykh othodov procyahlennykh predpriiatii i elsktrostantsii. othodov procyahlennykh predpriiatii i elsktrostantsii.

SKOBEL'TSYN, Yu.V., prof.; KAPUSTIN, V.A., inzh.; BEDNOV, N.I., inzh.; OL'SHEVSKAYA, V.T.

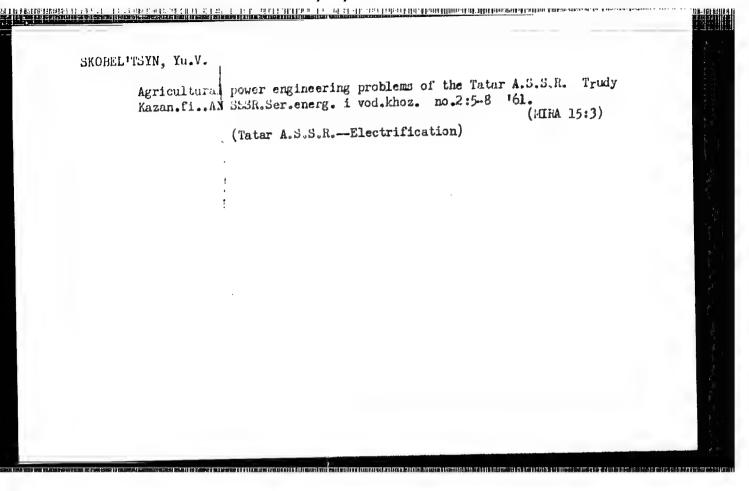
Simplified method of determining principal factors of electric supply before drawing up a final plan. Mekh.i elek.sots. sel'khoz. 17 no.5:29 *59. (MIRA 12:12)

1. Kazanskiy filial AN SSSR. (Rural electrification)

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SKOBEL TSYN, Yu.V., prof., otv.red.; PETROV, G.N., red.; SHARAFUTDINOVA, M.Z., tekhn.red

[Areas of catchment basins and density of the drainage network of small rivers in the middle Volga Valley] Ploshchadi vodosbornykh basseinov i plotnost' rechnoi seti malykh rek Srednego Povolzh'ia. Kazan', 1960. 274 p. (Akademiia nauk SSSR. Kazanskii filal. Trudy, no. 5). (MIRA 14:2) (Volga Valley—Hydrography)



SKOBEL'TSYN, Yu.V., prof.

Effectiveness of farm electrification. Mekh. i elek. sots. sel'khoz. 19 no.4:44-45 '61. (MIRA 14:11)

1. Kazanskiy filial AN SSSR. (Electricity in agriculture)

AUTHORS: Pinsker, Z.G. and Skobel'tsyna, N.A.

70-5-8/31

TITLE:

GROBE & 15/11/11.

An Electronographic Investigation of the Precipitation Processes of Supersaturated Solid Solutions in the Systems Al-Cu and Ag-Cu. (Elektronograficheskoye issledovaniye protsessov raspada peresyshchennykh tverdykh rastvorov v sistemakh Al-Cu i Ag-Cu)

PERIODICAL: Kristallografiya, 1957, Vol.2, No.5, pp. 618-622 (USSR).

ABSTRACT: In the plates of Al-Cu alloys investigated quenched specimens were annealed at 130-180°C. In polycrystalline specimens the θ-phase separated at once but in single crystals the decay of the solid solution was accompanied by the separation of a cubic phase with a = 8.38 A. Normally, when large specimens are examined by X-ray diffraction (alloys of about 5% Cu in Al) Guinier-Preston Zones I and II are observed (the second corresponding to the θ'-phase near to CuAl₂) before the true θ-phase (CuAl₂) appears. With electronographic specimens the θ-phase appeared at once without intermediaries. Specimens were produced by two methods; sublimation of an alloy with 20% Cu and simultaneous evaporation of Cu and Al. The sublimate was collected on rock salt or celluloid at room temperature and the evaporation was on to a rock salt crystal

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A Electronographic Investigation of the Precipitation Processes of Opposed turated Solid Solutions in the Systems Al-Cu and Ag-Cu. heated to 300 °C. Specimens were heated to 450 - 500 °C and quenched to room temperature. Annealing was at temperatures up to 250 °C in vacw for times up to 6 hours. Annealing at 50 - 60 °C Gave only one line corresponding to the 110 reflection of CuAl2; more lines appeared at 80-100 °C and the pattern was most intense at 130-150 °C. Most specimens were oriented with $(111)_{A1}/(100)_{NaC1}$ and $(110)_{A1}/(100)_{NaC1}$ or $(110)_{NaC1}$ The CuAl₂ has the preferred orientation $(110)_{\text{CuAl}_2}$ // $(111)_{\text{Al}}$ and $[110]_{\text{CuAl}_2}$ // $[110]_{\text{Al}}$. One specimen

ich was annealed for 3 hours at 180 °C shows a cubic phase (α^{i}) with $\alpha = 8.38$ A. It has the orientations (1) $(100)_{\alpha^{i}}$ // //(100) $_{\rm Al}$ and [100] $_{\alpha}$,//[100] $_{\rm Al}$ and (2) (110) $_{\alpha}$,// (100) $_{\rm Al}$ and [100]//[110] $_{\rm Al}$. More experimental data are required to

elucidate the structure of this α' -phase. In the system Ag-Cu with less than 14% Cu a tetragonal phase $\,\alpha$ with a = 4.15 and c=11.67 A was found for specimens produced card2/3

70-5-8/31 An Electronographic Investigation of the Precipitation Processes of Grant Solid Solutions in the Systems Al-Cu and Ag-Cu.

by sublimation of Cu and Ag on to rock salt, annealing at 500 °C for 1/2 hour followed by quenching to room temperature and annealing at 250 °C. This phase can be regarded as a superstructure of the Ag lattice formed as a results of the segregation of the Cu atoms. Annealing at 350 °C leads to mutual solution of the separate phases.

There are 6 figures and 3 references, 1 of which is Slavic.

ABSOCIATION: Gor'kiy State University im. Lobachevskiy (Gor'kovskiy

Gosudarstvennyy Universitet im. Lobachevskogo)

Institute of Crystallography Ac.Sc. USSR

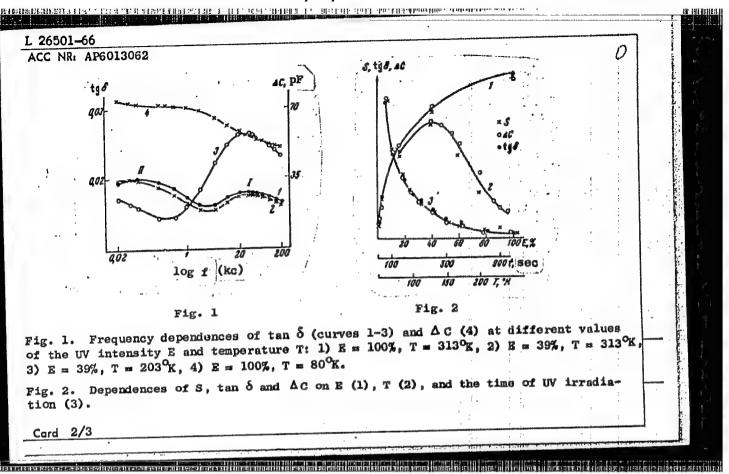
(Institut Kristallografii AN SSSR)

SULLITTED: May 18, 1957.

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talila di II di I απολί (ile escolodia) Ethesina miliam min GG/JG/JD EWT(1)/EWT(m) L 26501-66 UR/0048/66/030/004/0610/0611 SOURCE CODE: ACC NR: AP6013062 Vergunas, F. I.; Skobel tsyna, N. A. AUTHOR: ORG: None The photodielectric effect in ZnS: Ag crystal phosphors Report, Fourteenth Conference on Luminescence held in Riga, 16-23 September 1965/ SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 4, 1966, 610-611 TOPIC TAGS: crystal phosphor, zinc sulfide, dielectric loss, photodielectric effect ABSTRACT: The photodielectric effect (PDE), which consists in increase of the dielectric constant (i.e., the capacitance of the measuring capacitor) and change of the loss tangent of crystal phosphors under the action of ultraviolet irradiation, may be due either to trapped electrons (type I FDE) or conductance in an inhomogeneous specimen (type I PDE). In an earlier paper F.I. Vergunas and G.M. Malkin (Doklady AN SSSR, 137, 560, 1961) adduced the criteria or indications for distinguishing between PDE I and PDE II. In experimental studies of several ZnS phosphors the authors' group detected only PDE II (PDE I was evinced within the limits of the experimental error if at all); P.Krispin (Physica Status Sol. 3, 81, 1963), however, demonstrated the existence of PDE I in ZnS: Ag phosphor. Accordingly, the present work was concerned with investigation of the PDE in this crystal phosphor. The experimental procedure was the Card 1/3



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same as described earlier (F.I.Vergunas and K.Sh.Yenikeyeva, Izv. An SSSR, Ser. fiz., 26, 475, 1962). The phosphor was stimulated by the 365 mm triplet. Measurements were made of the frequency dependences of the loss tangent and the increment in capacitance at different temperatures T and different levels of the exciting UV light E. There were also recorded the dependences of S (the light sum stored in the only significant 0.3 eV traps), the capacitance increment ΔC , and tan δ . The data are presented in the accompanying figures. It is inferred from analysis of the data, that the 0.3 eV traps, common to most zinc sulfide phosphors, differ in some manner in ZnS:Ag; at any rate the models usually employed for the 0.3 eV traps in other ZnS phosphors are inconsistent with the present results and hence presumably inapplicable to ZnS:Ag. Orig. art. has: 2 figures.

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OTH REF: 004

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USSR/Engineering
Boilers
Turbines

"Bibliography on Boiler and Turbine Construction,"
Yu. V. Skobel'tsyna, 1½ pp

"Kotloturbostroye" No 3

Lists 22 USSR and foreign works on above-mentioned subjects.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001551020012-4"

SKOBEHNIKOV, K.

Thorough economic analysis helps to fulfill the seven-year plan. Muk.-elev. prom. 25 no.4:6-8 Ap '59. (MIRA 13:1)

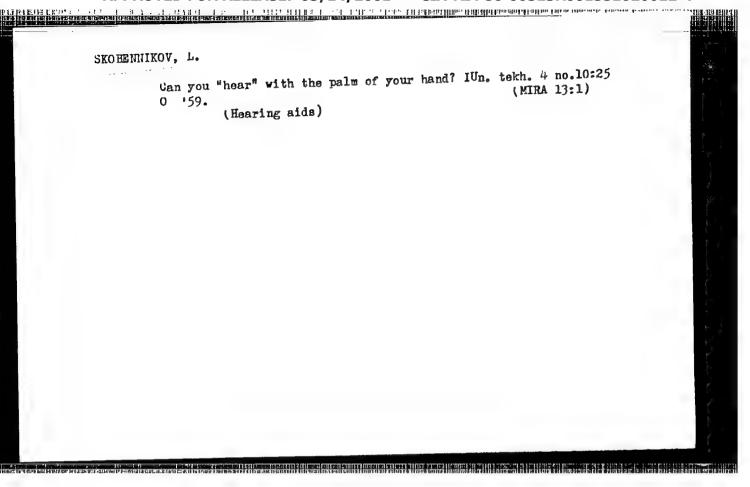
1.TSentral'naya bukhgalteriya Ministerstva khleboproduktov RSFSR. (Grain trade--Accounting)

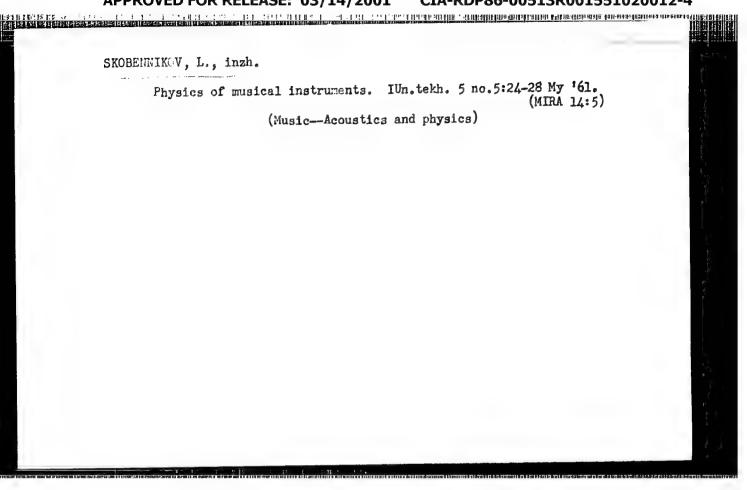
SKOBENNIKOV, K.

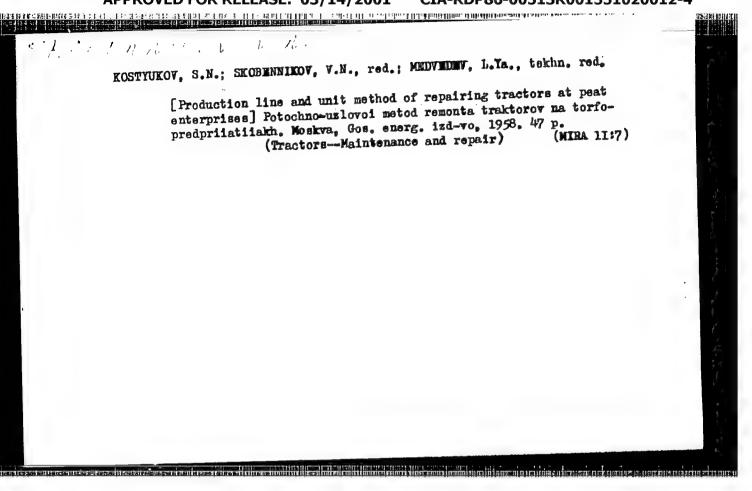
Economic analysis as an important factor in estimating the reserves and controlling poor management and wastefulness. Muk.-elev. prom. 29 no.9:5-7 S '63. (MIRA 17:1)

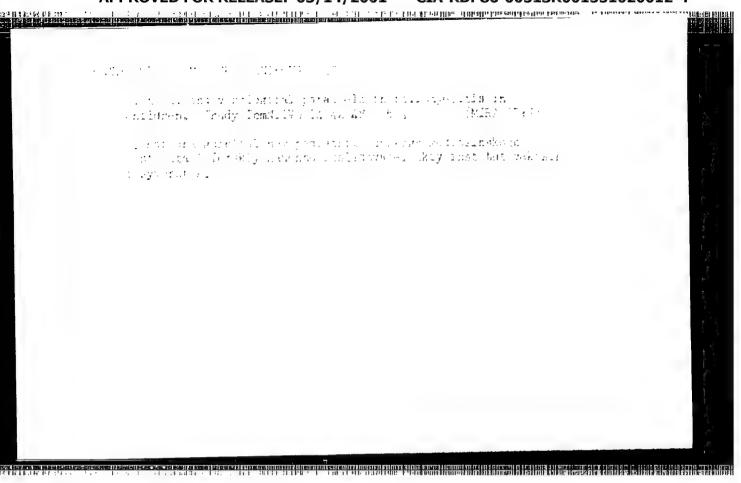
1. Glavnyy bukhgalter TSentral'noy bukhgalterii Vserossiyskogo ob"yedineniya khlebopraduktov.

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SKOBENNIKOVA, I.

Conference on using electronic calculating machines in accounting, planning, and statistical work. Sots. trud 8 no.10:143-146 0 '63. (MIRA 16:12)

"Differential Polarography (Review of the Literature)," by Ye. M. Skobets and V. D. Skobets, Zavodskaya Laboratoriya, Vol 23, No 2, Feb 57, pp 167-173

The principles and characteristics of differential polarography are described. Differential polarography with two drop cathodes, differential polarography with one drop cathode, methods of eliminating current oscillations, the use of electrodes with forced detachment of drops, and the use of solid electrodes in differential polarography are discussed in detail on the basis of information given in the literature. A bibliography consisting of 14 USSR, 7 Czech, one Japanese, and 20 Western references is appended. The characteristics of the method of differential polarography are described as follows:

"By using the method of differential polarography one may determine substances present in low concentrations. Because of the elimination on the differential curve of charging currents and of residual currents, one may take advantage of the high-sensitivity range of galvanometers and determine quantities which cannot be determined by the ordinary polarographic method.

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"The differential curve gives sharp maxima in cases when the diffusion current can be tarely observed. For instance, one can determine with the aid of the differential curve potassium and sodium against the background of calcium chloride or lithium chloride, i.e., under conditions when the depolarizer is separated in the vicinity of the principal electrolyte and its diffusion current is weakly expressed. With the aid of the differential curve, one can separate waves which have merged; this is particularly important in the analysis of compounds of complex composition. A polarographic spectrum in the form of differential maxima can be obtained much more easily than one in the form of ordinary polarographic waves. In every instance when formation of a diffusion current takes place, the differential curve returns to zero, so that one can easily determine with the aid of the differential curve traces of a less noble depolarizer in the presence of a substantial excess of a more noble depolarizer in the presence of a substantial excess of a more noble depolarizer. This can be achieved only to a limited extent by using the compensation method in ordinary polarography.

"Furthermore, the differential curve gives detailed information on the symmetry of the wave, which is important for evaluating the reversibility of the electrode process." (U)

SKOBETS, V.D.; ABARBARCHUK, I.L.; SKOBETS, Ye.M.

Determination of potassium, sodium, and their sum by the method of derivative polarography. Ukr.khim.zhur. 28 no.2:251-259 762.

(MIRA 15:3)

1. Ukrainskaya akademiya sel'skokhozyaystvennykh nauk.
(Potassium Analysis) (Sodium Analysis) (Polarography)

SKOBETS, V. D.; SKOBETS, Ye. M.

Simplified circuit for obtaining differential polarographic curves. Ukr. khim. shur. 28 no.3:337-342 '62. (MIRA 15:10)

1. Ukrainskaya sel'skokhozyaystvennaya akademiya.

(Polarography)

SKOBETS, V. D.; ABARBARCHUK, I. L.; SKOBETS, Ye. M.

Determining the total amount of metathetic alkalies in soils by differential polarography. Nauch. dokl. vys. shkoly; biol. nauki no.3:189-193 '62. (MIRA 15:7)

1. Rekomendovana kafedroy neorganicheskoy i analiticheskoy khimii Ukrainskoy akademii sel'skokhozyaystvennykh nauk.

(SOILS—SODIUM CONTENT) (POLAROGRAPHY)
(SOILS—POTASSIUM CONTENT)

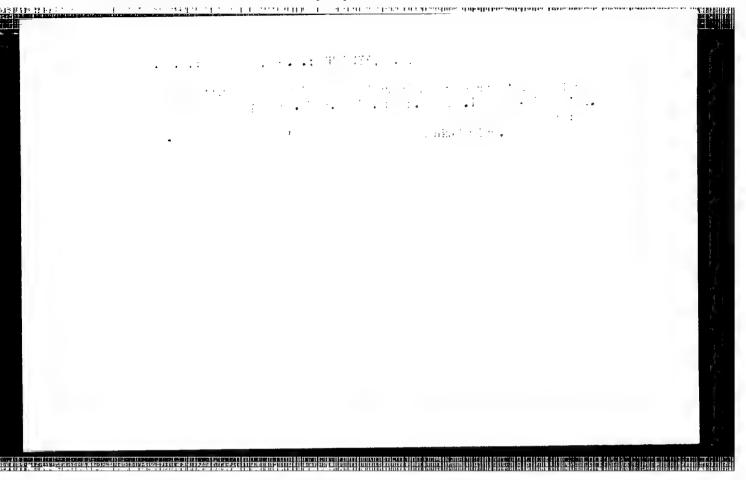
SKOBETS, Yevgeniy Moiseyevich, doktor khim. nauk; SKOMETS, Vera

Dmitriyevna, khimik; DELIMARSKIY, Yu.K., akademik,
retsenzent; TSYEA, L.A., inzh., red.izd-va; BEREZOVYY,
V.K., tekhn. red.

[Derivative polarography] Proizvodnaia poliarografiia.
Kiev, Gostekhizdat, 1963. 112 p. (MIRA 16:12)

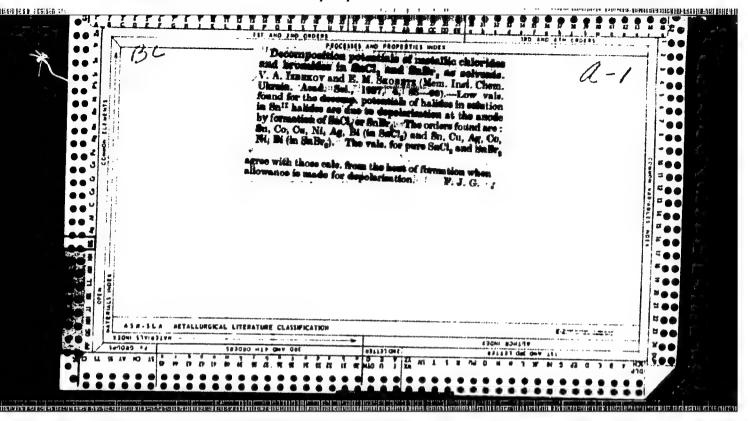
1. Akademiya nauk Ukr. SSR (for Delimarskiy).

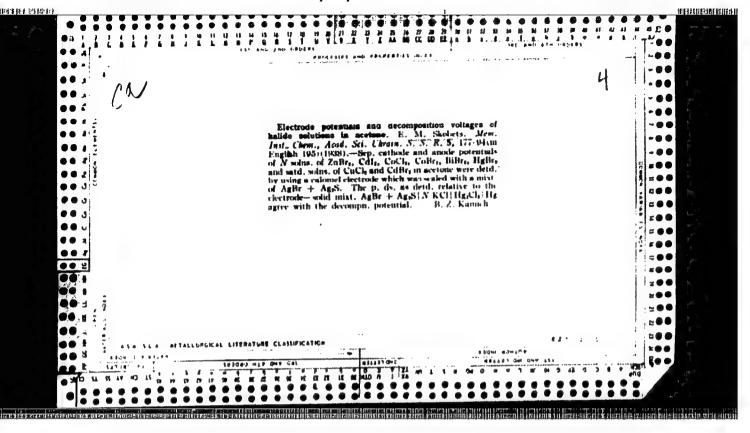
(Polarography)

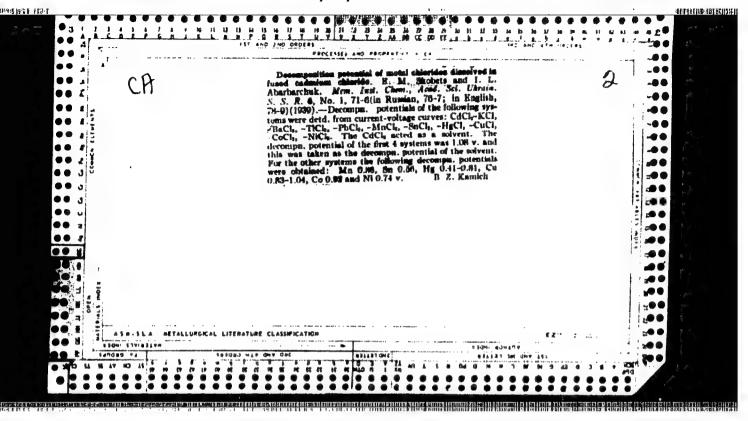


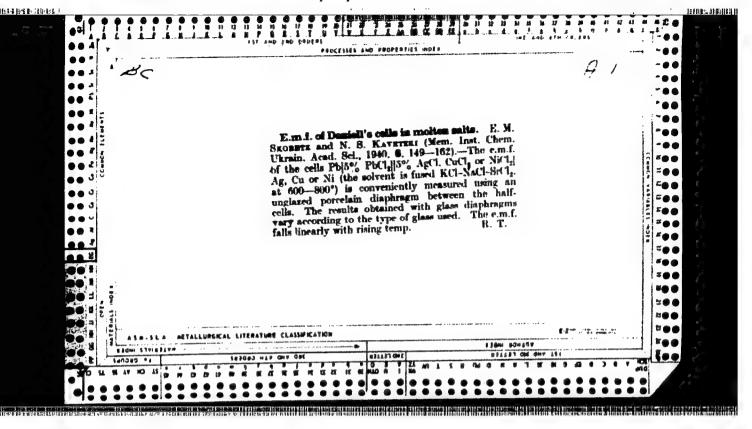
SKOEETS, Ye.H.; KARNAUKHOV, A.I.; KAVETSKIY, N.S.

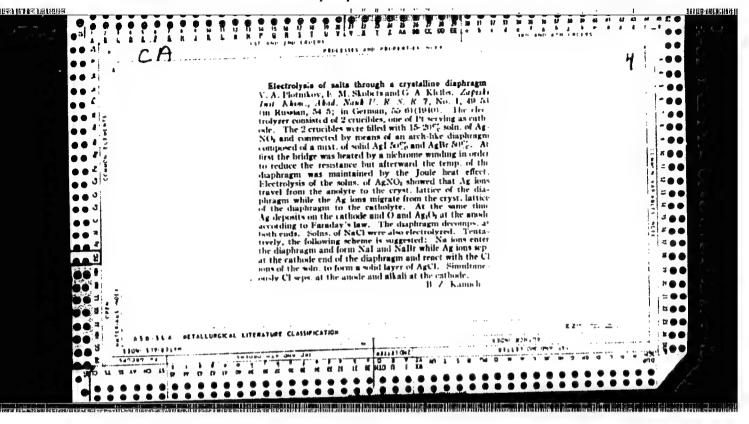
Electrolytic concentration of substance and their subsequent determination by means of reverse inrush currents. Trudy Kom. anal. khim. 15:179-184 '65. (MIRA 18:7)

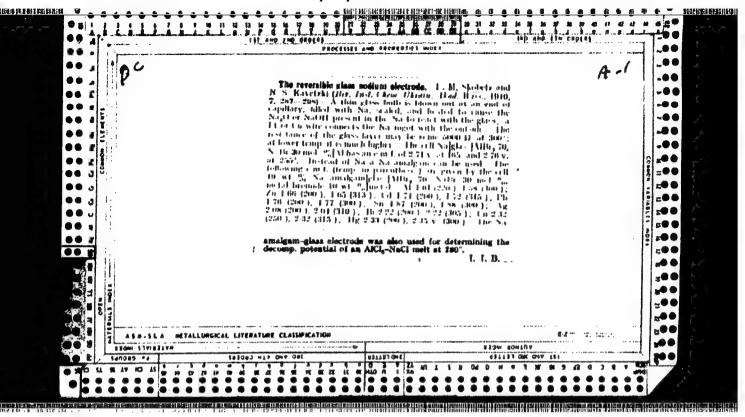


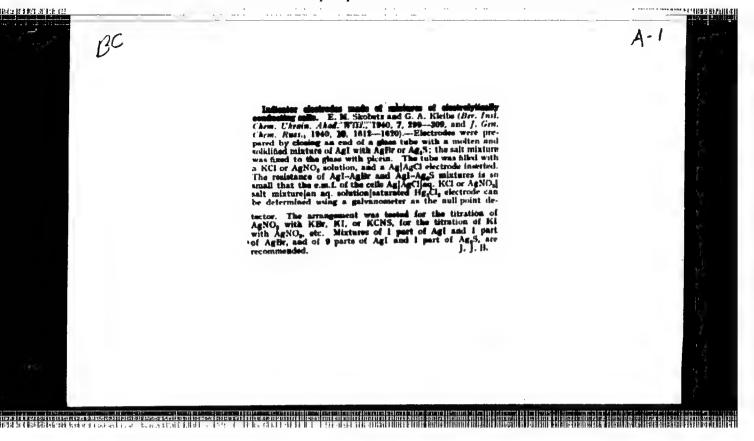


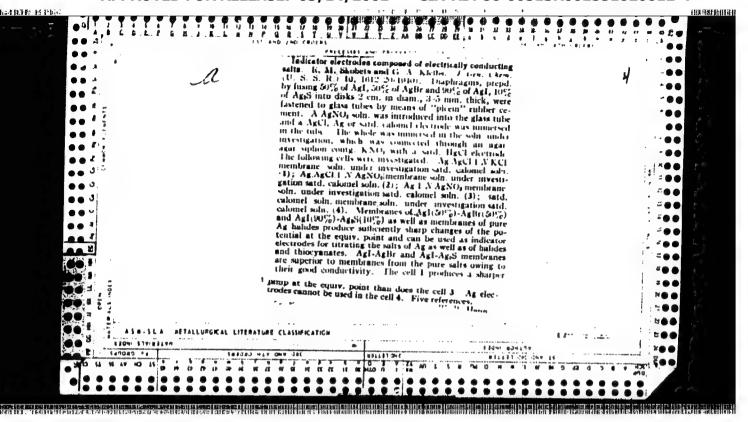


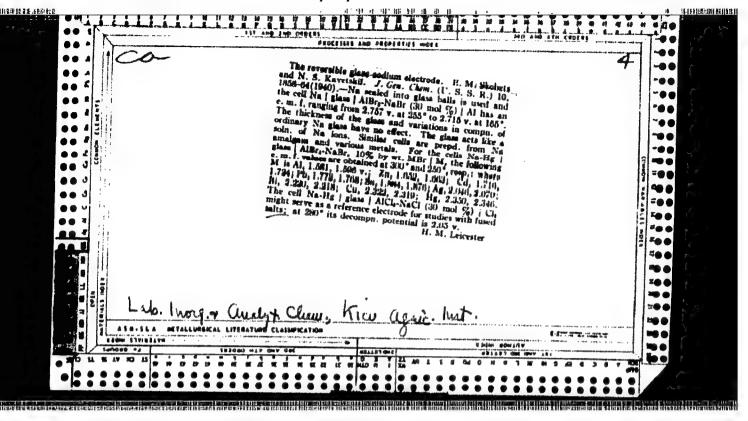


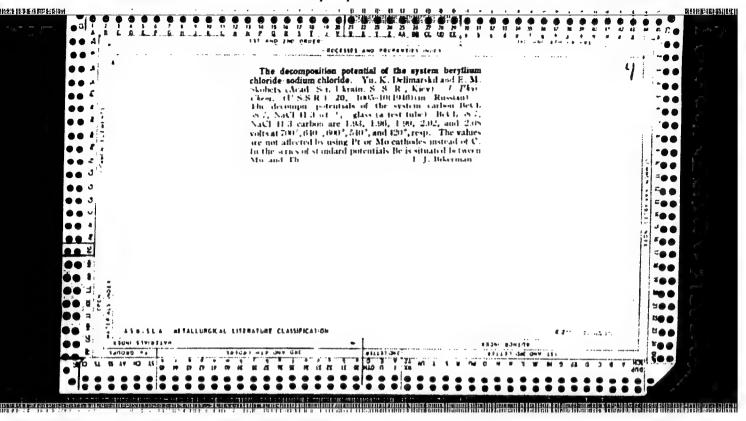


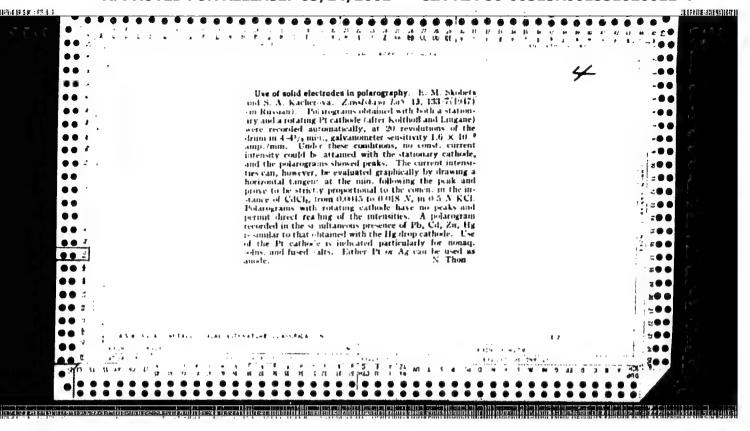


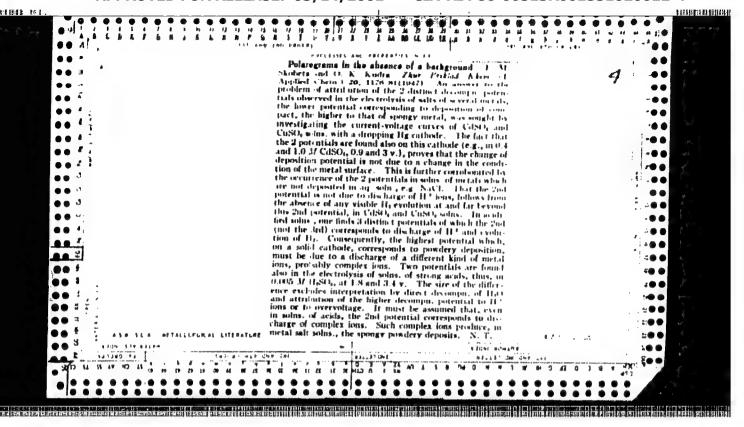


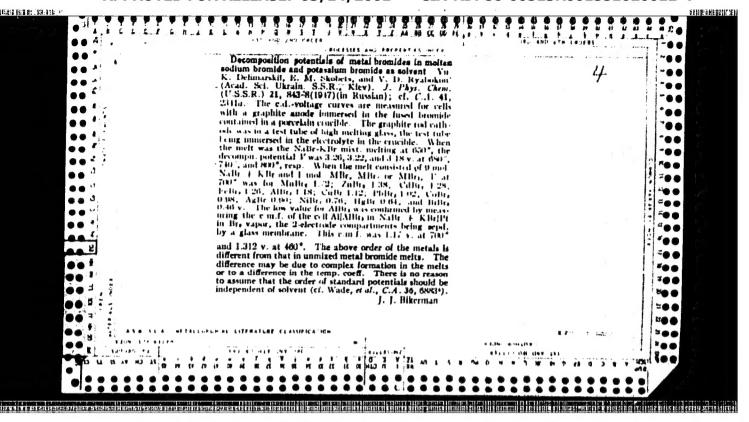


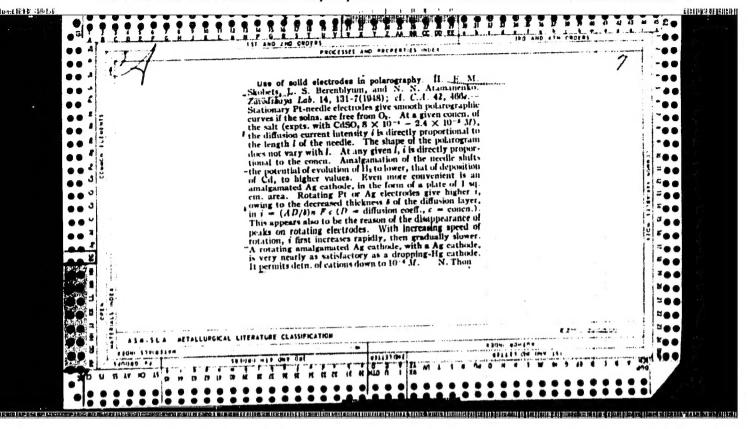












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Use of solid electrodes in polarography. III. E. M. Stofers, P. P. Turos, and V. D. Rydodom. Zaros Exp. Lat. 14, 77 1948; et C. J. 43, 84167. A sun plitted, but depertual polarograph was used in the express Current fains curves by K.C.L. without puring the C. The solid mare athole was made and the children of the code, the He layer in the bottom of the debt was made and the depong in Hg. Each in expressive the code, the late has dependent of the code and the code from the theory of the code of

